



- EXISTING SIGNS TO BE REMOVED**
- 19 SOUTH MARYLAND 173
20 NORTH MARYLAND 173
10, 11 Marley Neck BLVD
12, 13 Marley Neck BLVD
14, 16 ONLY
17 ONLY
21
- PROPOSED SIGNS**
- 10, 11 Marley Neck BLVD
12, 13 Marley Neck BLVD
14, 16 ONLY
17 ONLY
21
- EXISTING SIGNALS TO BE REMOVED**
- 12" 12" 12" 12"
- PROPOSED LED SIGNALS**
- 12" 12" 12" 12"
- PROPOSED VIDEO CAMERA**
- a, b, c
- VIDEO DETECTION ZONE**
- a, b, c
- NEMA PHASING**
- 01 02 04 05 06
- FLASHING OPERATION**
- NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- CONSTRUCTION DETAILS**
- A. INSTALL CONCRETE FOUNDATION WITH A TYPE S BASE MOUNTED CABINET, CONTROLLER, AND UNINTERRUPTIBLE POWER SUPPLY. (NOTE: TWO-4 IN. AND TWO-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS).
- B. INSTALL 100 AMP METERED SERVICE PEDESTAL. (NOTE: ONE-4 IN. AND TWO-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS).
- C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, AND VIDEO DETECTION CAMERAS. (NOTE: ONE-4 IN. AND ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND).
- D. INSTALL CONCRETE FOUNDATION WITH A 15 FT. SPECIAL-T DIMENSION STEEL POLE WITH A SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS. (NOTE: ONE-4 IN. AND ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND).
- E. INSTALL HANDHOLE.
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- G. VIDEO DETECTION ZONE TO BE ALIGNED BY SHA ENGINEER.
- H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- K. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. REMOVE EXISTING STOP LINE PAVEMENT MARKING AND INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING AT THE SAME LOCATION.
- M. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- N. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- P. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- R. INSTALL 5 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING LINE - SOLID.
- S. INSTALL TYPE K END TREATMENT (REFER TO STD. MD 605.10).
- T. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- U. INSTALL NON-INVASIVE PROBES WITH 1,000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- V. INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE CENTERED IN LANE).
- W. REMOVE EXISTING HANDHOLE AND BACKFILL.
- X. CAP AND ABANDON EXISTING CONDUIT.
- Y. INSTALL GROUND MOUNTED SIGN ON A SINGLE WOOD (4 IN. X 4 IN.) WOOD SUPPORT.
- Z. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- AA. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- BB. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE ROADWAY FOR NON-INVASIVE PROBES.
- CC. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW.
- DD. REMOVE EXISTING PAVEMENT MARKING LETTER.
- GEOMETRIC LEGEND**
- EXISTING
- UTILITY LEGEND**
- SD STORM DRAIN
G GAS MAIN
W WATER MAIN
SAN SEWER MAIN
UG ELEC ELECTRIC CABLES
E AERIAL CABLES
UG TEL TELEPHONE CABLES
UG FO FIBER-OPTIC
- AERIAL CABLE DETAIL**
- PRIMARY 38'-+
SECONDARY 28'-7"
COMM. 23'-6"
COMM. 21'-7"
TELEPHONE 18'-6"
GRADE
- CONSTRUCTION DETAILS (CONT.)**
- EE. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - BORED.
- FF. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.
- GG. INSTALL GROUND MOUNTED SIGN ON TWO (4" X 4") WOOD SUPPORTS.
- HH. REMOVE EXISTING POLE, ELECTRICAL UTILITY SERVICE EQUIPMENT, AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- JJ. INSTALL 5 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKINGS - 3' LINE, 3' GAP.
- KK. INSTALL W BEAM TRAFFIC BARRIER WITH FACE OF BARRIER IN LINE WITH EXISTING FACE OF CURB. (REFER TO STD. MD 605.31).

SABRA, WANG & ASSOCIATES, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(443) 741-3500
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DIVISION
CHIEF, TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISIONS

01 FULL SIGNAL RECONSTRUCTION
SHA NO. XX6475185 TMS NO. H408 06-2012
SWA [initials] [initials]
A AS-BUILT
B-6-1980

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 173 (FORT SMALLWOOD ROAD) AT MARLEY NECK BOULEVARD
CURTIS BAY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 10-10-1978 CONTRACT NO. AA 260-501-585

DESIGNED BY J.D. SCHROLL COUNTY ANNE ARUNDEL
DRAWN BY R.B. SOUTHARD LOGMILE 02017308.10
CHECKED BY D.G. MORGAN TMS NO.
FAP NO. TOD NO.

TS NO. 1645B DRAWING SG-03 OF 15 SHEET NO. 3 OF 15